24 WHAT IS CLAIMED IS: A method for stimulating a high frequency production of Type II callus from immature 1. embryos of elite corn inbreds which comprises culturing said embryos on a solid medium comprising sucrose and a monosaccharide sugar, wherein the the concentration of said monosaccharide sugar is between about 5 g/L and about 30 g/L. The method of claim 1, wherein said monosaccharide sugar is selected from the group 2. consisting of glucose, maltose, lactose, sorbitol and mannitol. The method of claim 1, wherein said monosaccharide sugar is glucose. 3. A method for transforming elite lines of corn using Agrobacterium comprising the steps of: 4. (a) co-cultivating an immature embryo from said elite line with Agrobacterium capable of transferring at least one gene to tissue of said elite line on a solid medium to produce an infected embryo; (b) culturing the infected embryo on a solid medium comprising an antibiotic; (c) culturing the resulting tissue on a solid medium comprising a selective agent to select for transformed tissue; (d) selecting transformed tissue with growing Type II callus capable of forming water tower embryo structures; and (e) regenerating plants from said embryo structures. The method of claim 4, wherein, said Agrobacterium is selected from Agrobacterium one 5. to two days after rescue from frozen glycerol stocks. The method of claim 4, wherein said co-culitvating is performed at a temperature of 15° C 6. to about 28° C. The method of claim 6, wherein said temperature is 19° C. 7.